

PROJECT: Midnite Mine Remediation

REPORT NO: 2019-005

OWNER: Newmont/Dawn Mining

OPERATOR: Newmont/Dawn Mining

Summary of Work Activities or Events for this reporting period:

This weekly report provides a summary of Midnite Mine Site (Site) remediation action (RA) construction activities, quality assurance (CQA), quality control (CQC) and engineering activities for the period April 26-May 2, 2019. The Site activities discussed in this weekly report include, but are not limited to: Site Health, Safety, and Security; Community Liaison, Project Meetings, Regulatory Oversight, Site Visitors; Site Mobilization; RA Activities; Project Documentation; and Site Inspections.

The project SharePoint site includes the Project documentation discussed in this report. Access to the project SharePoint site is available at the following link: <https://amcollab.mwhtools.com/sites/midnitemine>

SITE HEALTH, SAFETY, AND SECURITY

MIDNITE MINE HEALTH & SAFETY SUMMARY: Reporting Period 04/26 – 05/02

| | | | |
|---|---|---|---|
| FIRST AID INJURY | 1 | PROPERTY DAMAGE | 0 |
| MEDICALLY TREATED INJURY | 0 | NEAR MISS INCIDENT | 0 |
| RESTRICTED WORK INJURY | 0 | RADIATION PROTECTION PLAN (RPP) – ISSUES REPORTED | 0 |
| LOST TIME INJURY | 0 | | |
| Comments: First aid was administered to a WTP employee who was stung by a yellow jacket. The employee had a history of sting allergy so was sent to the Wellpinit Clinic for further evaluation. No allergic reaction was observed, the employee was cleared fit for full duties. | | | |

COMMUNITY LIAISON

No issues or concerns were reported or received by Newmont from the Spokane Tribe of Indians Community Liaison Officer for the reporting period. Tribal Community Liaison advised that a Community meeting is being planned for May 13, 2019. Newmont continues to notify the Tribe of all mobilizations and demobilizations.

PROJECT MEETINGS, REGULATORY OVERSIGHT, AND SITE VISITORS

Weekly Progress Meeting:

The Weekly Construction Progress meeting was held at 1000 hours on Wednesday, May 1, 2019 at the on-site conference room and via conference call. Representatives from the following stakeholders attended the meeting in person or via telephone:

- EPA
- Jacobs
- Spokane Tribe of Indians
- Dawn Mining Company (DMC)/Newmont
- Stantec
- WME
- AJAX Ltd.

Meeting Action Items:

- None.

EPA Plan/Document Approvals:

- In an email on April 26, EPA reported they reviewed the responses clarifying RFI 2019-003 and approved RFI 2019-003, Placement of Wood Chips in Waste Containment Areas.

Regulatory Site Visit(s):

- None

REMEDIAL WORK ACTIVITIES

Construction:

During the week of April 26 to May 2, 2019, the following activities were conducted:

- Excavating, hauling and placing material from the Lime Protore Stockpile 8 (Stockpile 8, low reactivity material), Protore Stockpile 4 (Stockpile 4, high activity/high reactivity material), Ore & Protore Stockpile 5 (Stockpile 5, high activity/high reactivity material) and South Waste Rock Pile (SWRP, low activity/low reactivity material) continued. Material from SWRP and Stockpile 8 were placed on the east and west side of Pit 4 to create the 20' rind buffer area. Some material from SWRP was placed at the south end of the pit to start forming the 20' rind for the top surface. The materials were excavated with either excavator or loader equipment and transported and plug dumped with haul trucks. The plug dumps were leveled with a dozer into lifts not exceeding 10' thick. Table 1 presents the 2019 Pit 4 mass haul materials volume.

Table 1 – 2019 Pit 4 mass haul volume estimates

| Reporting Period | Truck Loads | Estimated Volume ¹ yd ³ |
|----------------------|-------------|--|
| April 26-May 2, 2019 | 3,541 | 99,148 |
| 2019 Cumulative | 14,319 | 400,932 |

1 – Truck load assumed to be 28 yd³

- Brush and trees felled in 2018 were hauled from the west side of Pit 4 to the timber stockpile at the north end of the Temporary Impacted Soil Stockpile (TISS).
- Material from the Construction Support Zone Structure Demolition Temporary Stockpile (CSZ SDTS) was placed in Pit 4 on April 29th. CQC and CQA personnel confirmed on April 30th that the material was placed in conformance with the project requirement.
- Began fusion welding of 4"x8" dual containment pipe for the Infiltration Collection system on the west side of Pit 4 on May 1st.
- Began excavating the Infiltration Collector channels on the west slope of Pit 4 on May 2nd.
- Pit 4 tension crack was measured on April 29th. The horizontal distance between movement pins remains at 53.75 inches.
- Placed material around the dewatering risers with verticality of the risers verified during material placement using GPS equipment. A set of risers were installed on April 30th. The vertical risers are at 220' to the Underdrain Sump (UDS) and 180' to the Waste Rock Dewatering Sump (WRDS).

Stormwater Pollution Prevention Plan (SWPPP) Activities

- None

Equipment Mobilized/Demobilized and Material Delivered

The following equipment was mobilized to the Site during this reporting period.

- Plate compactor
- Hydrostatic pressure tester

The following equipment was demobilized from the Site during this reporting period.

- None

All non-road diesel equipment on Site is US-EPA Tier 4 compliant. On-site rental equipment and subsequent deliveries of rental equipment may be less than Tier 4 and will be assessed at the time of delivery.

Materials:

The following material was delivered to the Site during this reporting period.

- None

Dust Control and Monitoring

Six dust monitors were operated during construction activities at the locations and for the time intervals listed in Table 2. The Total Suspended Particulate (TSP) action level of 260 micrograms/cubic meter was exceeded twice during the reporting period.

Smoke from regional controlled burns resulted in exceedance of the action level at dust monitor ES-2 on May 1st and at ES-7 on May 2nd. CQA and CQC personnel assessed the cause of each exceedance, determined that cause of the exceedance was environmental conditions and not dust from construction activities and turned off the effected monitors.

Table 2 - TSP Dust Monitoring Locations during reporting period Apr 26 – May 2, 2019

| Monitor ID | Location Description | Start Date | Status | | | | | | |
|---|--|------------|--------|-----|-----|-----|-----|-----|-----|
| | | | Fri | Sat | Sun | Mon | Tue | Wed | Thu |
| ES-1 (stationary) | Midnite Mine Top of Pit 4 | 04/01/19 | D/* | | | D/N | D/N | D/N | D/N |
| ES-2 (stationary) | Midnite Mine Southeast Boundary | 04/01/19 | D/* | | | D/N | D/N | E/E | D/N |
| ES-3 (stationary) | Midnite Mine West Boundary | 04/01/19 | D/* | | | D/N | D/N | D/N | D/N |
| ES-4 (roving) | Light vehicle road east of Stockpile 4 | 04/01/19 | D/* | | | D/N | D/N | D/N | D/N |
| ES-5 (roving) | Spare | | | | | | | | |
| ES-6 (roving) | East Side of Pit 4 next to portable light plant. | 04/01/19 | D/* | | | D/N | D/N | D/N | D/N |
| ES-7 (roving) | Southeast corner of Area 5 | 04/02/19 | D/* | | | D/N | D/N | D/N | D/E |
| ES-8 (roving) | Spare | | | | | | | | |
| D=Day Shift (6:00 am to 4:30 pm) N=Night Shift (4:00 pm to 2:30 am) E=Environmental conditions (Fog, smoke, pollen, etc.) – No Operation * Equipment malfunction (Battery) | | | | | | | | | |

PROJECT DOCUMENTATION

Project Submittals, Engineering Change Notices (ECNs), Requests for Information (RFIs), Non-Compliance Notifications (NCNs), CQA-CQC Field Acceptance Forms and Other Items received, changed or noted before or during this time-period are shown in the table below:

Table 3 – CQA Documentation

| Project Submittals | | | |
|--------------------------------|--|--------------------|---|
| Submittal No. | Title | Submittal Date | CQA Approval Date |
| 02272-06 | South Pond Geomembrane | 4/24/2019 | TBD |
| 02275-02 | South Pond Geonet | 4/25/2019 | TBD |
| Project ECNs | | | |
| ECN No. | Title | EPA Submittal Date | EPA Response Date |
| None | | | |
| Project RFIs | | | |
| RFI No. | Title | CQC Submittal Date | CQA Response Date |
| RFI 2019-03 In Process | Placement of Wood Chips in Waste Containment Areas | 3/11/2019 | 3/15/2019 Approval Denied by EPA |
| | | 4/18/2019 | Provide Additional Information Based on EPA Request to Address the 5 Items Outlined in their Response |
| | | 4/26/2019 | Contractor Response to EPA Comments Submitted for Review |
| | | | RFI Approval Received From the EPA |
| Project NCNs | | | |
| NCN No. | Title | CQA Issue Date | CQC Response Date |
| None to Date | | | |
| CQA-CQC Field Acceptance Forms | | | |
| Acceptance No. | Title | | CQC-CQA Issue Date |
| None | | | |
| Other Items | | | |
| Item | Title | | Comments |
| None | | | |

A copy of the updated CQA Logs are provided on the project SharePoint site under the 2019 CQA Folder.

SITE INSPECTIONS

Details regarding the four-phase CQA observation/inspection process for each definable work feature is summarized above within each work-feature section and are further detailed in the daily CQC/CQA reports that are available on the project SharePoint site.

Preparatory Inspections / Meetings

- None during this time-period.

Initial Phase Inspections

- None during this time-period.

Follow-up Phase and Ongoing Inspections

Daily observations/inspections by CQA during Pit 4 backfill and other construction activities for the following site-specific tasks:

- Pit 4 Backfill
 - Mine waste excavated from Stockpile 8 and the North SWRP (low reactivity material) was placed along the edges of the pit to construct the 20-foot buffer zone (rind). Mine waste excavated from Stockpiles 4 and 5 (high reactivity/high activity) was placed in areas of the pit bounded by the 20-foot buffer zone.
 - Demolition debris was placed in the area north of the risers within the designated Demolition Debris Zone.
 - Continued to haul previously felled trees and brush to the wood-chipping stockpile located adjacent to the TISS.
- WRDS/UDS Risers
 - Utility crew installed another set of risers.
 - UDS risers at a total of 220 feet.
 - WRDS risers at a total of 180 feet.
- West Side Infiltration Collection System (WICS)
 - Utility crew butt-fused 360 feet of the dual-wall containment pipe.
 - Construction crew began excavation for the WICS channel along the west side of Pit 4.

Completion Inspections

- None

THREE WEEK LOOKAHEAD SCHEDULE

Three Week Lookahead Schedule

A copy of the Three Week Lookahead Schedule is provided as Attachment A.

Report completed and submitted by:

David Lee
Project Construction Director

Attachments

- Attachment A – Midnite Mine 3 Week Lookahead Schedule

Photos of pertinent items are provided below.



Figure 1 - Pit 4 backfill progress, looking south



Figure 2 – Two 390 excavators loading haul trucks at Stockpile 4.



Figure 3 – 349 Excavator placing and bucket packing drain gravel around the Pit 4 Vertical Dewatering Risers



Figure 4 - Utility crew adding bentonite and water to the annular space between the riser and friction sleeve



Figure 5 – Excavated Portion of the Infiltration Collection channel



Figure 6 - Welding dual wall containment pipe for the west Infiltration Collection system

ATTACHMENT A

MIDNITE MINE THREE WEEK LOOKAHEAD SCHEDULE

| Midnite Mine 2019 Production Schedule | | | | Midnite Mine Remedial Action 3 Week Look Ahead Schedule | | | | | | Data Date: 02-May-19 Print Date: 03-May-19 | | |
|---------------------------------------|---|------------|--------------------|---|--------------------|----------|----|----|----|---|----|-----------|
| Activity ID | Activity Name | % Complete | Remaining Duration | Start | Midnite Work Resp. | May 2019 | | | | | | June 2019 |
| | | | | | | 28 | 05 | 12 | 19 | 26 | 02 | |
| Midnite Mine 2019 Production Schedule | | | 136 | 01-Apr-19 A | | | | | | | | |
| Project Operations | | | 136 | 01-Apr-19 A | | | | | | | | |
| Pit 4 Operations | | | 136 | 16-Apr-19 A | | | | | | | | |
| DR10 | Install Pit 4 Underdrain Dewatering Risers (LOE) | 16% | 136 | 16-Apr-19 A | NMC | | | | | | | |
| DR20 | Install Pit 4 Waste Rock Dewatering Risers (LOE) | 16% | 136 | 16-Apr-19 A | NMC | | | | | | | |
| IC10 | Install Pit 4 Infiltration Collectors (LOE) | 8% | 136 | 22-Apr-19 A | NMC | | | | | | | |
| WTP & South Pond Excavation to Pit 4 | | | 84 | 01-Apr-19 A | | | | | | | | |
| Stockpiles 8, 3 and 4 | | | 67 | 01-Apr-19 A | | | | | | | | |
| SP8-10 | Excavate and Haul remaining portions of Stockpiles 8, 3 and 4 | 43% | 67 | 01-Apr-19 A | NMC | | | | | | | |
| South Pond | | | 82 | 06-May-19 | | | | | | | | |
| SP3,4&SoPond-30 | Excavate and Haul South Pond to Pit 4 | 0% | 82 | 06-May-19 | NMC | | | | | | | |
| SWRP (South Waste Rock Pile) to Pit 4 | | | 55 | 01-Apr-19 A | | | | | | | | |
| SWRP North | | | 55 | 01-Apr-19 A | | | | | | | | |
| SWRP-N-10 | Excavate and Haul SWRP North to Pit 4 (Part 1) | 5% | 55 | 01-Apr-19 A | NMC | | | | | | | |
| SWRP Ramp to CSZ-WTP | | | 20 | 06-May-19 | | | | | | | | |
| SWRP-CSZ+WTP- | Excavate and Haul SWRP Ramp to CSZ+WTP to Pit 4 | 0% | 20 | 06-May-19 | NMC | | | | | | | |

◆ Current Milestone
 Actual Work
 Remaining Work
 Critical Remaining Work
 Remaining Level of Effort
 Actual Level of Effort